Customer No. 24498
Attorney Docket No. PD020080
Office Action Date: July 3, 2008

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Amendments to the Specification

Please amend the **Abstract** of this application as follows:

The present invention relates to the data synchronization between a data processing system 3 and a micro controller 1 of a servo-system [[1]] for an apparatus for reading from and/or writing to optical recording media. It is an object of the present invention to provide an improved method for synchronizing the subcode time codes and sector addresses of data contained on a recording medium.

According to the invention, the method comprises the steps of: [[-]] sending 4 a number of sectors from the micro controller 1 to the data processing system 3; [[-]] requesting 8 information about the sector headers of the received sectors from the data processing system 3; [[-]] calculating 9 the difference between the subcode time codes and the sector addresses using the information about the sector headers; and [[-]] repeating the synchronization steps 4, 8, 9 for every session on the recording medium.

Please **amend** the sentence beginning at page 1, line 14 as follows:

In contrast to an Audio Processing System according to prior art, which can only read and/or write audio information according to the Compact Disc Standard (Red Book), an advanced data processing system (DPS) capable of playing back and/or recording audio files in a compressed or uncompressed data format[[,]] needs to be able to extract, decode, and convey data related to the file system and the audio files stored on a storage medium.

Please **amend** the sentence beginning at page 4, line 23 as follows:

US 5,574,704 discloses a header searching method for a data recording medium, which is capable of reducing ~~to reduce~~ the ~~a number of required~~ time[[s]] required to access [[to]] a target header~~, and shortening the time~~ by ~~being given~~ providing time information of the target header and searching the header.

Please **amend** the sentence beginning at page 6, line 18 as follows:

Such a communication protocol allows [[to]]synchroniz[[e]]ation between two systems, where one system is working based on subcode information and the other system is working based on sector information.

Please **amend** the sentence beginning at page 8, line 3 as follows:

By reading the data in the ESPMC via the DPS, the header information (sector) can be accessed and the time difference between the stored subcode frame and the actually obtained sector can be calculated.

Please **amend** the sentence beginning at page 8, line 17 as follows:

The DPS has to check now[[,]] if the following SYNC-word and the following header (2nd header, i.e. 12 byte SYNC, followed by 4 bytes of non flagged data (C2_ERR = 0)) are valid.

Please **amend** the sentence beginning at page 8, line 23 as follows:

The command will be aborted by the DPS if the ESPMC memory becomes empty, or in case a ~~number of~~ byte counter has an overflow.

Please **amend** the sentence beginning at page 8, line 26 as follows:

The DPS will send a SCANM message to the servo system, carrying information on the 1st and 2nd valid headers, the number of counted bytes, which were flushed while reading the AIN-Mailbox until the 1st header was found, and an indicator indicating a ~~number of~~ byte counter overflow.

Please **amend** the sentence beginning at page 9, line 30 with the following sentence:

After receiving the SCAN mode2 command from the servo system, the DPS starts reading data out of the AIN-Mailbox, while counting the flushed bytes, until a SYNC word[[,]] followed by the requested header (1st header) is found.

Please **amend** the sentence beginning at page 10, line 6 with the following sentence:

The command will be aborted by the DPS if the ESPMC memory becomes empty, or in case a ~~number of~~ byte counter has an overflow.

Please **amend** the sentence beginning at page 10, line 6 with the following sentence:

The DPS will send a SCANM message to the servo system, carrying information on the 1st and 2nd valid headers, the number of counted bytes, which were flushed while reading the AIN-Mailbox until the 1st header was found, and an indicator indicating a ~~number of~~ byte counter overflow.

Please **amend** the sentence beginning at page 10, line 31 with the following sentence:

This mode is only applicable[[,]] if scan mode1, scan mode2 or scan mode3 was sent before.

Please **amend** the sentence beginning at page 11, line 3 with the following sentence:

The data will be stored in[[to]] the DPS.

Please **amend** the sentence beginning at page 11, line 5 with the following sentence:

The header and subheader information of the current sector, which was already read by the previous scan mode1 or scan mode2 command (previous 2nd valid header becomes 1st valid header), will also be stored in[[to]] the DPS.

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Please **amend** the sentence beginning at page 11, line 29 with the following sentence:

The command and message described below allow the DPS to read the data (header and cd-rom data) as stored by previous scan commands.

Please **amend** the sentence beginning at page 12, line 1 with the following sentence:

The command ~~respectively message~~ is only valid if a SCAN command was sent before. Otherwise an error message "command not available" will be returned.

Please **amend** the sentence beginning at page 13, line 3 with the following sentence:

To allow synchronization between the subcode time codes and the sector addresses, the micro controller_1 in [[a]] step 8 requests information about the sector header fields using a SCAN mode1 command.

Please **amend** the sentence beginning at page 13, line 7 with the following sentence:

The micro controller_1 is now able to calculate 9 the difference between the subcode time codes and the sector addresses.